

Table 112. World Steam Coal Flows by Importing Regions and Exporting Countries 1, 2/
(million short tons)

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Steam Coal Exports to Europe 3/														
Australia	12.5	6.3	18.7	20.1	12.7	12.9	12.0	5.1	4.8	5.8	4.4	4.3	4.5	5.3
United States	3.0	3.6	4.1	4.5	4.5	4.6	4.7	4.4	4.0	3.6	3.1	2.6	2.9	2.9
South Africa	70.2	68.6	64.4	63.6	61.5	62.5	63.6	64.5	65.0	65.5	65.9	66.4	66.9	67.0
Former Soviet Union	24.2	36.0	37.5	38.8	40.1	41.4	42.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0
Poland	15.1	15.1	13.5	12.6	11.8	10.9	10.0	9.0	8.5	8.1	7.7	7.2	6.6	6.4
Canada	0.0	0.0	0.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
China	6.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South America	32.5	37.0	47.2	47.0	57.8	57.4	60.8	68.6	68.6	67.4	68.5	68.4	67.5	65.7
Indonesia 4/	16.9	17.9	4.3	4.3	4.2	4.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	180.7	188.8	190.6	191.8	192.7	194.0	194.8	195.7	195.0	194.4	193.7	193.0	192.4	191.2
Steam Coal Exports to Asia														
Australia	96.1	109.8	95.2	99.9	103.7	108.0	109.5	112.8	116.3	119.9	123.6	127.2	130.6	133.8
United States	0.2	2.3	0.8	0.9	1.2	1.4	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6
South Africa	5.5	2.4	10.9	11.4	12.0	12.6	13.1	13.7	14.3	15.0	15.7	16.3	17.0	17.4
Former Soviet Union	9.5	11.7	15.1	16.6	18.0	19.4	20.9	22.3	22.6	22.9	23.1	23.4	23.7	23.9
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Canada	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
China	81.2	84.2	89.3	89.3	89.3	89.3	89.3	89.3	89.5	89.7	90.0	90.2	90.4	91.1
South America	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indonesia 4/	70.6	91.7	106.1	107.8	110.4	112.6	118.0	121.3	122.6	123.9	125.0	126.2	127.6	129.0
Total	263.9	302.5	317.4	326.0	334.7	343.3	352.3	361.0	367.0	372.9	378.9	384.9	390.9	396.8
Steam Coal Exports to America														
Australia	6.8	3.3	4.2	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
United States	18.5	16.1	16.8	15.9	12.7	10.5	8.9	8.6	8.3	7.9	7.6	7.2	6.0	4.8
South Africa	0.4	0.7	4.3	4.4	4.5	4.6	4.8	5.0	5.0	5.0	5.0	4.9	4.9	4.9
Former Soviet Union	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poland	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1
Canada	0.7	1.6	4.0	3.2	3.3	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
China	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South America	25.2	28.5	31.9	36.0	23.5	26.9	25.0	21.8	24.3	28.0	29.4	32.0	35.5	39.6
Indonesia 4/	2.9	3.4	0.9	1.4	1.1	1.2	1.3	1.1	1.1	1.1	1.3	1.3	1.1	1.1
Total	55.6	54.8	62.2	65.3	45.1	46.6	43.3	39.9	42.1	45.5	46.5	48.8	50.9	53.9
Total Steam Coal Exports 5/														
Australia	115.8	119.4	118.1	124.4	116.4	120.9	121.4	117.9	121.2	125.7	127.9	131.5	135.1	139.1
United States	21.8	22.0	21.8	21.3	18.5	16.5	15.2	14.6	13.9	13.1	12.3	11.4	10.4	9.3
South Africa	77.2	73.7	79.6	79.5	78.0	79.7	81.4	83.1	84.3	85.4	86.6	87.7	88.9	89.2
Former Soviet Union	33.8	47.9	52.6	55.4	58.1	60.9	63.6	66.4	66.6	66.9	67.1	67.4	67.7	68.0
Poland	15.1	15.2	13.5	12.6	11.8	10.9	10.0	9.1	8.7	8.2	7.7	7.2	6.7	6.5
Canada	1.5	2.2	4.9	4.0	3.3	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
China	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.5	89.7	90.0	90.2	90.4	91.1
South America	57.8	65.9	79.0	83.0	81.3	84.3	85.8	90.4	92.9	95.4	98.0	100.5	103.0	105.3
Indonesia 4/	91.8	113.8	111.3	113.6	115.8	118.0	120.2	122.5	123.7	125.0	126.2	127.5	128.7	130.1
Total	503.7	549.2	570.1	583.0	572.4	583.9	590.4	596.5	604.0	612.8	619.1	626.7	634.2	641.8

Table 112. World Steam Coal Flows by Importing Regions and Exporting Countries 1, 2/
(million short tons)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004- 2030
Steam Coal Exports to Europe 3/															
Australia	4.8	10.6	13.5	13.5	13.4	13.4	13.4	13.4	11.0	7.4	7.1	8.1	10.8	11.3	2.3%
United States	2.5	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8	1.7	1.6	-3.1%
South Africa	67.0	67.0	67.0	67.0	67.6	68.2	68.7	69.2	68.8	67.0	66.6	66.3	66.3	65.8	-0.2%
Former Soviet Union	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	0.8%
Poland	6.2	6.0	5.8	5.5	5.3	5.1	4.9	4.6	4.4	4.4	4.3	4.1	4.1	4.1	-4.9%
Canada	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
China	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
South America	62.5	60.3	56.4	52.8	50.3	47.9	45.5	45.3	46.0	50.0	49.6	47.7	44.1	43.1	0.6%
Indonesia 4/	3.4	0.0	0.0	3.0	2.9	2.8	2.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total	190.4	188.8	187.7	186.9	184.8	182.7	180.6	178.1	175.8	174.4	173.2	172.1	171.1	169.9	-0.4%
Steam Coal Exports to Asia															
Australia	140.1	140.4	143.7	149.5	153.6	157.8	162.1	164.1	167.5	170.1	174.0	178.0	182.4	186.2	2.1%
United States	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	-1.4%
South Africa	17.8	18.2	18.6	18.9	19.3	19.7	20.1	20.5	21.8	24.2	25.3	26.1	26.7	27.8	9.8%
Former Soviet Union	24.2	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	27.0	27.4	27.9	28.3	28.8	3.5%
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
China	91.7	92.4	93.0	93.7	94.1	94.6	95.0	95.5	95.9	96.3	96.8	97.2	97.7	98.1	0.6%
South America	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia 4/	126.8	131.5	132.7	131.1	132.1	132.9	133.7	137.0	137.8	138.5	139.4	140.3	141.0	141.9	1.7%
Total	402.2	408.5	414.4	419.9	426.1	432.3	438.5	445.0	451.2	457.8	464.5	471.1	477.7	484.4	1.8%
Steam Coal Exports to America															
Australia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
United States	4.0	3.9	3.9	4.0	4.0	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.6	4.7	-4.7%
South Africa	4.9	4.8	4.8	4.8	4.8	4.9	4.9	5.0	5.0	5.1	5.2	5.3	5.3	5.4	8.1%
Former Soviet Union	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.3	0.3	3.8%
Canada	3.3	3.5	3.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.8%
China	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
South America	45.2	58.6	66.7	65.4	75.2	83.7	88.9	92.0	94.1	93.2	96.6	101.4	108.0	111.9	5.4%
Indonesia 4/	1.3	1.5	1.6	1.6	1.6	1.7	1.9	2.1	2.3	2.4	2.5	2.4	2.6	2.6	-1.0%
Total	58.7	72.2	80.5	79.1	88.9	97.7	103.2	106.7	109.1	108.4	112.1	117.2	124.1	128.2	3.3%
Total Steam Coal Exports 5/															
Australia	144.9	151.0	157.1	162.9	167.0	171.3	175.5	177.5	178.5	177.5	181.0	186.1	193.2	197.4	2.0%
United States	8.1	6.5	6.6	6.7	6.9	7.0	7.1	7.3	7.4	7.6	7.8	7.9	7.9	7.8	-3.9%
South Africa	89.6	90.0	90.4	90.7	91.7	92.7	93.7	94.7	95.7	96.4	97.0	97.7	98.4	99.0	1.1%
Former Soviet Union	68.2	68.5	68.8	69.1	69.4	69.7	70.0	70.3	70.6	71.0	71.4	71.9	72.3	72.8	1.6%
Poland	6.2	6.0	5.8	5.5	5.3	5.1	4.9	4.6	4.4	4.4	4.4	4.4	4.4	4.4	-4.6%
Canada	3.3	3.5	3.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	1.5%
China	91.7	92.4	93.0	93.7	94.1	94.6	95.0	95.5	95.9	96.3	96.8	97.2	97.7	98.1	0.4%
South America	107.7	118.9	123.1	118.2	125.5	131.6	134.4	137.3	140.2	143.1	146.1	149.1	152.1	155.0	3.3%
Indonesia 4/	131.5	132.9	134.3	135.7	136.6	137.5	138.3	139.2	140.1	141.0	141.9	142.7	143.6	144.5	0.9%
Total	651.4	669.6	682.6	685.9	699.8	712.6	722.3	729.7	736.1	740.7	749.8	760.4	772.9	782.4	1.4%

Table 112. World Steam Coal Flows by Importing Regions and Exporting Countries 1, 2/
(million short tons)

1/ Import Regions:

Europe: Algeria, Austria, Belgium, Bulgaria, Croatia, Denmark, Egypt, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, Malta, Morocco, Netherlands, Norway, Portugal, Romania, Spain, Sweden, Tunisia, Turkey, United Kingdom

Asia: Bangladesh, China, Hong Kong, India, Iran, Japan, Malaysia, North Korea, Pakistan, Philippines, South Korea, Sri Lanka, Taiwan, Thailand

America: Argentina, Brazil, Canada, Chile, Mexico, United States

2/ Excludes non-seaborne shipments of coal to Europe and Asia.

3/ Coal exports to Europe include exports to the Middle East and Northern Africa.

4/ In 2004, steam coal exports from Indonesia include an additional 13.3 million short tons of exports from other countries not included in the forecast period.

5/ In 2004, total world coal flows include a balancing item term used to reconcile discrepancies between reported exports and imports. For 2004, the balancing item for steam coal amounted to 3.2 million short tons.

Note: Totals may not equal sum of components due to independent rounding.

Sources: 2004 data: SSY Consultancy and Research Ltd, SSY's Coal Trade Forecast, Vol. 14, No. 3 (London, United Kingdom, September 2005); and Energy Information Administration (EIA), Quarterly Coal Report, October-December 2004, DOE/EIA-0121(2004/4Q) (Washington, DC, March 2005). Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.